PORTAL
USPTO

Subscribe (Full Service) Register (Limited Service, Free) Login

Search: The ACM Digital Library The Guide

+"between spreadsheet and database" SEARCH

THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction survey

Terms used and **between spreadsheet database** Found **1** of **195,947**

Sort results by relevance

Display results expanded form

Save results to a Binder

Search Tips

Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 1 - 1 of 1

Relevance scale

1 Business process re-design in the academic environment: a methodical approach to maximizing the impact of scarce information technology support resources

Roger W. Harris

November 1993 **Proceedings of the 21st annual ACM SIGUCCS conference on User services SIGUCCS '93**

Publisher: ACM Press

Full text available: pdf(2.06 MB) Additional Information: full citation, references, index terms

Results 1 - 1 of 1

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc.

Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player

BUSINESS PROCESS RE-DESIGN IN THE ACADEMIC ENVIRONMENT
A methodical approach to maximizing the impact of scarce information technology support resources.

Roger W. Harris
Senior Computer Office 1
Office of Information Technology
Hong Kong Polytechnic
Hung Hom
Kowloon
Hong Kong
ITROGER@HKPCC.HKP.HK
Tel: (852) 766-5496 Fax: (852) 362-2497

Abstract

This paper describes the development and use within Hong Kong Polytechnic of a simple planning methodology for analysing the working practices and procedures of its 2,000 or so computer-using staff with the aim of targeting the strategic technologies that user support services should concentrate on. The methodology represents an implementation of the principles of business process redesign (or re-engineering) and is based upon the tenets of the stage model theory of technology diffusion.

The methodology was used to establish technology compatibilities within the user activities that would yield the greatest return on the investment the Institution has recently made in networks and Personal Computers (PCs)

As a result, two general areas of technology use were identified as having strategic potential for the Polytechnic in accordance with its overall mission. These were, firstly, the use of electronic mail, in its broadest definition, to include messaging, bulletin boards, electronic forms, and international communication and, secondly, word-processing, again in its broadest definition, to include the integration of graphics with text and desk-top publishing.

Use of the methodology enabled the Institution's planners to redesign its Information Technology (IT) user services so that the Information Technology Service Department could better adhere to its stated mission of supporting the Institution's primary goals of research effectiveness and operational efficiency, whilst simultaneously avoid allocating scarce support resources to projects with marginal return.

The approach is commended to IT service providers anxious to demonstrate their contribution to institutional goals through the application of a quantified basis for organisational and operational planning and decision- making.

1. INTRODUCTION

Hong Kong Polytechnic (HKP) is the largest of the seven institutions for tertiary education in Hong Kong, with an enrollment of over 14,000 full-time equivalent students for the academic year 1992/3. The provision of computing resources for both staff and student use is seen as a vital role for the institution's support services, and this paper describes how the organisation of its IT service functions are evolving alongside the changing profile of the Polytechnic's physical computing resources. In particular, the paper describes how a move towards distributed computing has engendered the need for more pro-active involvement by the institution's IT specialists with the established practices and procedures that have grown up over the years. This is because it was recognised that distributed computing is in many ways discretionary computing, as users of personal computers and networks often have a choice as to whether they should use the IT facilities available to them or not. It was the Polytechnic's wish that having provided extensive IT resources, they should be used to the fullest, and it was realised that new practices and job roles were required of the IT specialists in order to make this possible. As a result, a pilot study was launched with the intention of devising and testing a methodology for analysing existing procedures and re-engineering them where appropriate, utilising the IT facilities that were being made available, such that the full benefits of those facilities could be realised by the Institution. The study was also intended to identify a means of assessing the training requirements of computer-using staff, and the type and nature of the support structures they would need in order to continue making good use of IT.

2. HONG KONG POLYTECHNIC

The Hong Kong Polytechnic was formally established on August 1, 1972, taking over the campus of the former

Permission to copy without fee all or part of this material is granted provided that the copies are not made or distributed for direct commercial advantage, the ACM copyright notice and the title of the publication and its date appear, and notice is given that copying is by permission of the Association for Computing Machinery. To copy otherwise, or to republish, requires a fee and/or specific permission.

© 1993 ACM 0-89791-631-X/93/0011...$1.50

Hong Kong Technical College. Since then the Institution has undergone extensive development and rapid expansion. Student population of the Polytechnic has increased from 13,000 in 1972/73 to 26,000 in 1992/93.

The Polytechnic offers a wide range of courses to meet the demands of commerce, industry and the community. In 1983, the Polytechnic gained Government support to offer its first courses leading to the award of bachelor 's degrees. In 1987, the Polytechnic started to register candidates for the Degree of Master of Philosophy, and in 1988, saw the first MPhil graduate. In 1989, taught master's degree and post-graduate diploma courses were offered and the first Doctor of Philosophy candidate registered.

For the 1992/93 academic year, more than 200 courses are offered in a variety of attendance modes, including full-time, sandwich, part-time day release, part-time evening and distance learning. Successful completion of these courses will lead to the awards of first and higher degrees, post-graduate diploma, associateship, professional diploma, higher diploma, diploma, post- registration diploma and certificate, endorsement certificate, higher certificate, certificate and certificate of proficiency. There will be about 2,400 places for the first year of full-time and sandwich bachelor's degree courses.

At present, the Polytechnic has 25 academic units grouped under its six divisions:

Division of Applied Science and Textiles

Department of Applied Biology and Chemical Technology
Department of Applied Mathematics
Department of Applied Physics
Institute of Textiles and Clothing

Division of Business and Information Systems

Department of Accountancy
Department of Business Studies
Department of Computing
Department of Hospitality Management
Department of Management

Division of Communication

Department of Chinese, Translation and Interpretation
Swire School of Design
Department of English

Division of Construction and Land Use

Department of Building and Surveying
Department of Building Services Engineering
Department of Civil and Structural Engineering
Centre of Land and Engineering Surveying

Division of Engineering

Department of Electrical Engineering
Department of Electronic Engineering
Department of Manufacturing Engineering
Department of Mechanical and Marine Engineering
Department of Nautical Studies

Division of Health and Social Studies

Department of Applied Social Studies
Department of Diagnostic Sciences
Department of Health Sciences
Department of Rehabilitation Sciences

In recent years, the Polytechnic has established a number of specialist centres, with financial support from industries. These include an IBM-Hong Kong Polytechnic Computer-Aided-Design and Computer-Aided-Manufacture (CAD/CAM) Research and Education Centre, the Royal Hong Kong Jockey Club Rehabilitation Engineering Centre, a Plastics Technology Centre, a Business and Technology Centre, a Centre for Professional and Business English, a Centre for Translation Studies, a Surface Mount Technology Centre and an Image Management Centre. Other centres in advanced stage of planning include a Business Systems Development Centre, a Technology System Development Centre, an Industrial Automation Centre and a Precision Engineering Centre. These centres provide support for activities such as applied research, consultancy, provision of technical advice and information, and specialist training to people in the commercial and industrial sectors. Facilities in these centres are also utilised for teaching and learning purposes.

As part of the process of achieving institutional self-accreditation, and ultimately University status, the Polytechnic deemed it appropriate to adopt a revised and more concise statement of its mission, as follows:

(i) To serve the Hong Kong community and contribute to its well being, prosperity and development through the provision of programmes of education and training, the conduct of research, and collaboration with industry, commerce, Government and the professions.

(ii) To continue to develop as an international, university level institution with a distinct identity based on the Polytechnic ethos of practical creativity, relevance to the world of work and close links with the community.

(iii) To provide a balanced programme of courses of high quality, including both full-time and part-time provision,

designed to contribute substantially to meeting Hong Kong's needs for highly trained and skilled manpower, and to anticipate and reflect changes in these manpower needs.

(iv) To provide its students with a balanced and broad educational experience which fosters critical and analytical thinking, creativity and competence, linked with a commitment to the well being of society and an understanding of ethical values.

(v) To enhance its research capacity through the development of high quality research programmes and the development of "areas of excellence".

(vi) To direct its research effort primarily towards applied and strategic research relevant to the needs of Hong Kong.

(vii) To conduct research activities, where appropriate, in collaboration with other academic institutions, in Hong Kong or elsewhere, or with industrial, commercial, professional or public services organizations.

(viii) To collaborate with and maintain close links with industry, commerce, public services, the professions and the community generally and to develop appropriate support mechanisms which will contribute to industrial, commercial and community development.

(ix) To provide support for the professional development, updating and retraining of Hong Kong's workforce using appropriate models of continuing education and training.

(x) To promote partnerships between higher education, Government, appropriate Government agencies, industry, commerce and the professions, in addressing strategic issues related to the social and economic development of Hong Kong.

(xi) To provide a caring environment with appropriate provision for the well being of its students.

3. BACKGROUND TO HKP'S COMPUTING FACILITIES

3.1 Academic Computing

By 1991, the provision of computing services was characterised by a central service, with most access from terminals and PCs plus some departmental services based on PCs to satisfy local needs. Some of these PCs were connected to ports in the Computer Centre, but most of them were in stand-alone mode with a hard disk and printer on each. This mode of usage did not allow flexible working practices nor was it convenient to share resources. The situation reflected a combination of traditional terminal lines into minis and mainframes and a growing trend toward the use of PCs, a few of which had been networked, but with no strategic direction to the inherent shift toward distributed computing that this trend represented.

Connection lines to the central services were through two data switches operating at full capacity, plus some directly connected lines to specific computers. In addition, there were some Ethernet Local Area Networks. The consequence of this arrangement was that users did not see the same range of services, and access to the services was dependent on the physical location of the user terminal. The service connection was inflexible and had a limited degree of interchangeability of use of the Institution's VAX computers.

It was recognised that improvements were possible by providing users with the ability to access the whole range of centrally based services which could therefore be shared with other users.

3.2 Administrative Computing

By 1991, administrative computing was almost entirely based on VAX computers dedicated to a specific administrative tasks. These included financial and personnel management systems, student records, and the library catalogue. departmental access was provided to the information base by a PC linked into the administrative system and located in the administrative assistant's office of each Department. The growth of access points to these administrative databases was not easily manageable as the restriction was based on physical access points.

3.3 Campus Network

The provision of a campus-wide network was identified in the Institution's strategic plan as the key to overcoming many of the limitations of the previous arrangements. The first phase of the network, a 100 Mps fibre-optic backbone and associated equipment, the first of its kind in a tertiary institution in Hong Kong, was commissioned in October 1990. In 1991, with an allocation of HK$ 14.8 million capital funding, the project moved on to its second phase which aimed at directly improving the facilities available to staff by providing at least one networked PC workstation per academic staff room and key administrator's office. In the Spring of 1991, departments' requirements were assessed

and tenders progressed. Installation work proceeded throughout the summer resulting in local area networks coming on-line by late Autumn in all forty-four academic and administrative departments.

Over twelve hundred staff PCs, three-hundred and fifty of which were new systems, were installed at that time on the network and a further 200 or so have been added since. This part of the project, known as the Staff LAN, provides staff with greatly improved personal computing resources and an infrastructure which provides a ready means for accessing Library information, exploiting the central computers, and for exchanging information electronically, both locally and internationally.

3.4 Central Computing Resources

The major central resources, based on VAX cluster systems, provide computing support for the Library and administrative departments and a reducing service to academic departments, who are now finding that many of their computing requirements can now be satisfied by the campus network. This is not universally the case, as one department has its own IBM AS/400, and an IBM ES/9000 model 170 has also been attached to the academic computing segment.

3.5 Departmental Computing Resources

Departmental facilities cover a wide range of products from different vendors which include IBM, DEC, HP, Apple. The equipment of particular importance within the scope of the networking project is the range of IBM PC compatible systems, plus a smaller number of Macintosh systems, which are located in academic staff rooms and key administrative offices, since these were required to be networked. Of particular relevance is the existence of a number of departmental LANs which were already in use prior to the campus networking project, and which were utilising the following major operating systems:

- 3+Open LAN Manager
- VINES
- NetWare
- DEC PCSA
- Appleshare
- LAN Manager/X

The new LAN system was expected to interoperate with these, and the central resources. The network backbone consists of a 100 Mbps fibre-optic (FDDI standard) ring which traverses the major buildings within the campus. Five cisco Routers are attached to provide the inter-connections of 10Mbps (IEEE 802.3 standard) copper ethernet cables within buildings. The software chosen for the backbone network management, is 'NetCentral', a system developed by cisco, the company from whom the routers have been purchased. A SUN SparcStation is the hardware platform which has been acquired to run this system. All DECnet nodes on the campus are managed under the Network Control Program (NCP) which is a network management utility bundled with the DECnet software.

Whilst academic and/or administrative departments have a number of common features, there are characteristics in their work which distinguish them as work-groups in their own right. For example, specialist teaching materials or operational information requirements. Within academic departments the staff LANs form only part of the departmental network, which includes also the networked facilities for students. For network cabling, IEEE 802.3 10Base2 technology was selected.

4. THE STAGE MODEL THEORY OF TECHNOLOGY DIFFUSION

Having acquired an extensive network linking the Polytechnic's computers to each other, it was then considered essential to implement mechanisms that would ensure this new capability was fully exploited to the benefit of the Institution's work and its overall goals. Initially, a pilot study was launched in two departments that would test and validate a methodology for examining existing practices and procedures and for re-designing them in line with the goal of maximising the utility of the network systems, and deriving the benefits which were believed to be available.

The methodology that was developed for the pilot study represents an implementation of the principles of Business Process Re-Design (or Re-Engineering), and is based upon the tenets of the stage model theory of technology diffusion [1]. This theory characterises an organisational effort toward diffusing appropriate information technology within a user community as a six- stage process; Initiation - Adoption - Adaptation - Acceptance - Routinisation - Infusion,with each stage having its own process and product. These are summarised in figure 1.

The stage model has relevance to Hong Kong Polytechnic's situation with regard to the use of computers by its staff in so far as the networking of PCs provides increased

availability of information technology to a growing proportion of people. Efforts to obtain maximum utility from these resources would therefore benefit from a methodical approach that acknowledges the stages in the model and advances the Institution through them as quickly as possible.

Research validating the stage model theory has concluded that acceptance of technology at the higher levels of the organisation depends on commitment and involvement from senior management, and acceptance at the lower levels of the organisation depends on task-technology compatibility [2]. The purpose of the pilot study was to devise a methodology to achieve both of these, and to do so, the six stages were condensed into three phases of work;

Phase 1. Programme Planning and Analysis
Phase 2. Project Implementations
Phase 3. Programme Consolidation

Figure 1. depicts the six-stage model, and which Phase of work addresses each of them. It was realised that without a pro-active project definition exercise as described by the first phase of work, users would be unlikely to move toward the later stages of the stage model, where the real returns from the technology are encountered, at a pace which senior management would find acceptable. The focus of the methodology, therefore, was to achieve the necessary procedural and organisational changes for the Institution to attain the sixth stage of technology diffusion as quickly as possible.

Phase 2 - Project Implementations - relates to the development and implementation of the high pay-off applications that are advocated from the results of the first phase. It embodies the third and fourth stages of the stage model. It would not normally commence until Phase 1 has been completed, and its contents and timing are determined by the results and based upon the outcome of Phase 1.

Phase 3 - Programme Consolidation - embodies the fifth and sixth stages of the stage model. Its purpose is to bring about any institutional staffing or technology adjustments that may be required to sustain and develop the applications already identified well into the foreseeable future. It would also ensure that subsequent automation opportunities are addressed in a fashion that assures successful implementation. Again, the detailed content of Phase 3 is determined by the outcome and experiences of the earlier stages.

5. BUSINESS PROCESS RE-DESIGN

In providing a PC to every academic member of staff and to senior administrative staff, the Polytechnic had acknowledged the growing importance of PCs in today's computer industry in general and in academic life in particular. From figure 2. it can be seen that worldwide annual revenues from PCs have been out-stripping those from mid-range systems since 1987, and have exceeded revenues from main-frame systems since 1989. Significant changes in the computing industry have occurred as a result, with winners and losers emerging in accordance with the changing buying habits of the IT-consuming community. Companies whose revenues are derived mainly from mid-range or main-frame systems are suffering, whilst many of those whose revenues are derived mainly from PCs and associated products are thriving [3].

For example, Wang Laboratories suffered a 20% reduction in revenue in 1991 and have filed for Chapter 11 bankruptcy in the United States; DEC announced their first ever operating loss in 1991, lost a further US$1.8 billion by the second quarter of 1992, and are laying off 20,000 workers; IBM suffered their first ever loss in 1991, are reducing staff by 50,000 this year and a reported 35,000 next year. The company has been placed under credit watch in the USA, and recently announced their first-ever cut in dividends. On the other hand, Microsoft, the world's largest software company, reported revenues up 54% in 1991, Novell's rose 35%, and Intel enjoyed their best ever financial performance in 1991 with revenues up 22%. [4], [5], [6], [7], [8].

The picture painted represents something of a revolution in computing which shows no indication of letting up. Technology advances in end user equipment are continuing apace, and price wars in the PC market are reducing the cost of IT to increasing numbers of people. The harsh realities of the market place have caused profound changes in the computing hardware and software industries in the short span of five years.

What is less clear though, is the extent to which the IT profession has adapted to these events, and how IT professionals are preparing themselves for a continuing role in the support of end users anxious to make the best use of their changing IT resources. The pilot project was the Polytechnic's expression of its concern that the services provided by its IT specialists were becoming less relevant to the Institution's computer users whose computer-using behaviour patterns were switching from centrally organised systems running on mini-computers, towards locally-organised systems running on PCs and networks.

Large and growing numbers of people within the Polytechnic, as well as world-wide, are gaining access to increasing amounts of computing power without requiring an intervening role from IT professionals to determine how that power should be used. As a result, most users have discovered that their prime requirement has been for basic knowledge about hardware and software in order to learn about the capabilities of each. IT personnel may have been called upon to provide training, education and consultancy services to help computer users become proficient with popular PC software packages. Alternatively, users may have depended on product suppliers or outside organisations to obtain this knowledge. In either case, user learning at this stage is generally product specific in that users become familiar with PC hardware terminology and they begin to know the difference between spreadsheets and databases and what the capabilities are of word processing and graphic packages.

For many PC users, understanding simple routines for the operation of PC hardware and becoming proficient with one or two software packages requires as much investment in learning as they are prepared, or have time, to make. As more PCs are made available to users, and as software becomes increasingly sophisticated, and as more PCs are connected to powerful networks, thereby enhancing their functionality, more opportunities for beneficial use of IT become available. However, exploiting these opportunities successfully requires an unusual blend of detailed knowledge of the technology, as well as knowledge of the organisation and the problems and objectives of its management. Many users are not in a position to devote time to understanding the technology in depth, and to finding innovative ways of exploiting it to its full potential. As a result, many of them fail to use the equipment available to them to its full capability. Opportunities for automation which can provide significant benefits to the organisation are missed because end users are neither trained nor employed to identify or implement them, and technical support staff are too busy providing product-oriented services and are themselves neither trained nor inclined to address business problems from an IT perspective.

If support in the form of training is provided by suppliers or an outside organisation then they will not be in a position to assist users in developing and implementing automation opportunities as they will have little understanding of the users' business, its problems and objectives. When support services are provided by in-house technical specialists, they are normally technically-oriented staff who understand the technology and the capabilities of particular software packages, but who may know little in detail about the business functions of the organisation. As a result, they are probably also unable to advise users on when and how to use their computers, which applications to develop and which business functions to automate.

Most IT support resources, in the form of skilled staff for the provision of technical and systems support are still dedicated to the support of Data Processing (DP) systems, even though these are a reducing, and in some cases a minority proportion of the organisation's total IT resources. The processes for analysing and designing DP systems have been evolving for more than two decades, and have provided IT specialists with a variety of methodologies that can guide them toward delivering quality systems. The development of end-user systems has no such track record, and there are few equivalent methodologies available to either users or IT specialists that are capable of assisting in the identification and delivery of quality end-user systems. This probably accounts for the fact that the little support for end- user computing (EUC) that exists in Hong Kong is mostly product-specific, and is oriented towards technical troubleshooting and getting users up and running with their PC, rather than towards a business perspective of EUC management.

One observer has characterised the requirement for a re-orientation of the management of EUC as a shift away from user support services that are reactive and product-oriented, toward a more proactive, business-oriented approach to support services. [9] The shift in approach requires IT professionals to pay more attention to generating business value from computers by aligning support services with system initiatives that have maximum value for the organisation. Value here is expressed in terms of the organisation's overall objectives, its particular market position, and the concerns of its senior management. Naomi Karten, in a seminar given in Hong Kong, characterised this shift in the approach to user support services as a re-orientation that has six major shifts in emphasis, which are shown in figure 3.

For proactive support services to be successful, IT professionals must be willing and able to spend time understanding the problems that their user community are facing, and they must also be capable of placing those problems into the context of the organisation's overall objectives and goals. The availability of technical know-how ceases to be the key ingredient, and according to another observer, a major barrier is the attitude of most technical personnel toward spending the major portion of their working hours assisting users. Their terms for this activity are frequently derisive, such as "handholding" and

IEEE Xplore® RELEASE 2.1

Home | Login | Logout | Access Information | Alerts |

Welcome United States Patent and Trademark Office

Search Results BROWSE SEARCH IEEE XPLORE GUIDE

Results for "((spreadsheet<in>metadata) <and> (database<in>metadata))" e-mail
Your search matched **75** of **1476571** documents.
A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

» Search Options

View Session History

New Search

Modify Search

((spreadsheet<in>metadata) <and> (database<in>metadata)) Search

Check to search only within this results set

Display Format: Citation Citation & Abstract

» Key

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

view selected items Select All Deselect All View: 1-

1. **Distribution automation experiments with generic software**
Sheble, G.B.;
Computer Applications in Power, IEEE
Volume 4, Issue 3, July 1991 Page(s):27 - 31
Digital Object Identifier 10.1109/67.85960
AbstractPlus | Full Text: PDF(672 KB) IEEE JNL
Rights and Permissions

2. **On querying spreadsheets**
Lakshmanan, L.V.S.; Subramanian, S.N.; Goyal, N.; Krishnamurthy, R.;
Data Engineering, 1998. Proceedings., 14th International Conference on
23-27 Feb. 1998 Page(s):134 - 141
Digital Object Identifier 10.1109/ICDE.1998.655769
AbstractPlus | Full Text: PDF(216 KB) IEEE CNF
Rights and Permissions

3. **Integrating knowledge-based systems into operations at the McMaster U Tandem Accelerator Laboratory**
Poehlman, W.F.S.; Stark, J.W.;
Nuclear Science, IEEE Transactions on
Volume 36, Issue 5, Oct 1989 Page(s):1494 - 1498
Digital Object Identifier 10:1109/23.41090
AbstractPlus | Full Text: PDF(448 KB) IEEE JNL
Rights and Permissions

4. **Helping the Web help the disabled**
Lazzaro, J.J.;
Spectrum, IEEE
Volume 36, Issue 3, March 1999 Page(s):54 - 59
Digital Object Identifier 10:1109/6.750401
AbstractPlus | Full Text: PDF(816 KB) IEEE JNL
Rights and Permissions

5. **Data-centric automated data mining**
Campos, M.M.; Stengard, P.J.; Milenova, B.L.;
Machine Learning and Applications, 2005. Proceedings. Fourth International C
15-17 Dec. 2005 Page(s):8 pp.
Digital Object Identifier 10.1109/ICMLA.2005.18

AbstractPlus | Full Text: PDF(536 KB) IEEE CNF
Rights and Permissions

6. **Estimating the numbers of end users and end user programmers**
Scaffidi, C.; Shaw, M.; Myers, B.;
Visual Languages and Human-Centric Computing, 2005 IEEE Symposium on
20-24 Sept. 2005 Page(s):207 - 214
Digital Object Identifier 10.1109/VLHCC.2005.34
AbstractPlus | Full Text: PDF(120 KB) IEEE CNF
Rights and Permissions

7. **Computer aids for communicating design expertise in power electronics**
Fôutz, J.;
Computers in Power Electronics, 1988., IEEE Workshop on
22-23 Aug. 1988 Page(s):55 - 60
Digital Object Identifier 10.1109/CIPE.1988.202631
AbstractPlus | Full Text: PDF(448 KB) IEEE CNF
Rights and Permissions

8. **Supply chain simulation and analysis with SimFlex/spl trade/**
Williams, E.J.; Gunal, A.;
Simulation Conference, 2003. Proceedings of the 2003 Winter
Volume 1, 7-10 Dec. 2003 Page(s):231 - 237 Vol.1
AbstractPlus | Full Text: PDF(994 KB) IEEE CNF
Rights and Permissions

9. **A systems model for power technology assessment**
Hoffman, D.J.;
Energy Conversion Engineering Conference, 2002. IECEC '02. 2002 37th Inter
29-31 July 2004 Page(s):21 - 26
AbstractPlus | Full Text: PDF(919 KB) IEEE CNF
Rights and Permissions

10. **Structured Knowledge Source Integration and its applications to informa**
Masters, J.;
Information Fusion, 2002. Proceedings of the Fifth International Conference or
Volume 2, 8-11 July 2002 Page(s):1340 - 1346 vol.2
Digital Object Identifier 10.1109/ICIF.2002.1020968
AbstractPlus | Full Text: PDF(510 KB) IEEE CNF
Rights and Permissions

11. **Modelling and manipulating multidimensional data in semistructured dat**
Wong, R.K.; Lam, F.; Orgun, M.A.;
Database Systems for Advanced Applications, 2001. Proceedings. Seventh In
Conference on
18-21 April 2001 Page(s):14 - 21
Digital Object Identifier 10.1109/DASFAA.2001.916359
AbstractPlus | Full Text: PDF(644 KB) IEEE CNF
Rights and Permissions

12. **Pragmatic data modelling and design for end users**
Churcher, C.; McLennan, T.; McKinnon, A.;
Software Engineering Conference, 2000. APSEC 2000. Proceedings. Seventh
5-8 Dec. 2000 Page(s):120 - 126
Digital Object Identifier 10.1109/APSEC.2000.896690
AbstractPlus | Full Text: PDF(684 KB) IEEE CNF
Rights and Permissions

13. **Information technology skills assessment techniques**
Dowsing, R.D.; Long, S.;
Advanced Learning Technologies, 2000. IWALT 2000. Proceedings. Internatio
4-6 Dec. 2000 Page(s):93 - 96
Digital Object Identifier 10.1109/IWALT.2000.890576
AbstractPlus | Full Text: PDF(360 KB) IEEE CNF
Rights and Permissions

14. **Prediction of RF environments worldwide for ground, airborne, and spac trajectory applications via automated database**
Warboys, L.R.; Lukash, J.A.;
Electromagnetic Compatibility, 1999 IEEE International Symposium on
Volume 2, 2-6 Aug. 1999 Page(s):969 - 973 vol.2
Digital Object Identifier 10.1109/ISEMC.1999.810197
AbstractPlus | Full Text: PDF(412 KB) IEEE CNF
Rights and Permissions

15. **PC DAQ, a Windows based DAQ system**
Hogan, G.E.;
Real Time Conference, 1999. Santa Fe 1999. 11th IEEE NPSS
14-18 June 1999 Page(s):160
Digital Object Identifier 10.1109/RTCON.1999.842593
AbstractPlus | Full Text: PDF(28 KB) IEEE CNF
Rights and Permissions

16. **Students and computers: literacy, access, and standardization**
Thompson, R.E.;
Frontiers in Education Conference, 1999. FIE '99. 29th Annual
Volume 2, 10-13 Nov. 1999 Page(s):12C4/21 - 12C4/26 vol.2
Digital Object Identifier 10.1109/FIE.1999.841641
AbstractPlus | Full Text: PDF(404 KB) IEEE CNF
Rights and Permissions

17. **Detailed assessment of engineering curricula**
Johnson, R.A.; Wheeler, E.;
Frontiers in Education Conference, 1998. FIE '98. 28th Annual
Volume 2, November 4-7, 1998 Page(s):778 - 782 vol.2
Digital Object Identifier 10.1109/FIE.1998.738798
AbstractPlus | Full Text: PDF(708 KB) IEEE CNF
Rights and Permissions

18. **Should end user computing be in the computing curriculum?**
McLennan, T.; Churcher, G.; Clemes, S.;
Software Engineering: Education and Practice, 1998. Proceedings. 1998 Inter Conference
26-29 Jan. 1998 Page(s):346 - 352
Digital Object Identifier 10.1109/SEEP.1998.707669
AbstractPlus | Full Text: PDF(36 KB) IEEE CNF
Rights and Permissions

19. **Multimedia information sharing in the heterogeneous environment**
Zhang Jianpei; Liu Qun; Xia Hong;
Intelligent Processing Systems, 1997. ICIPS '97. 1997 IEEE International Conf
Volume 2, 28-31 Oct. 1997 Page(s):1044 - 1046 vol.2
Digital Object Identifier 10.1109/ICIPS.1997.669136
AbstractPlus | Full Text: PDF(371 KB) IEEE CNF
Rights and Permissions

20. **Introducing computer science fundamentals before programming**

Shackelford, R.L.; LeBlanc, R.J., Jr.;
Frontiers in Education Conference, 1997. 27th Annual Conference. 'Teaching i an Era of Change'. Proceedings.
Volume 1, 5-8 Nov. 1997 Page(s):285 - 289 vol.1
Digital Object Identifier 10.1109/FIE.1997.644858

AbstractPlus | Full Text: PDF(516 KB) IEEE CNF
Rights and Permissions

21. The NLQ approach to database retrieval
Obermeier, K.K.;
Aerospace and Electronics Conference, 1989. NAECON 1989., Proceedings c National
22-26 May 1989 Page(s):1370 - 1373 vol.3
Digital Object Identifier 10.1109/NAECON.1989.40389

AbstractPlus | Full Text: PDF(244 KB) IEEE CNF
Rights and Permissions

22. Personal computer analysis of risk factors in kidney transplantation proc
Buscaroli, A.; Stagni, B.; Terni, A.; Stefoni, S.;
Engineering in Medicine and Biology Society, 1989. Images of the Twenty-Firs Proceedings of the Annual International Conference of the IEEE Engineering i
9-12 Nov. 1989 Page(s):1920 - 1921 vol.6
Digital Object Identifier 10.1109/IEMBS.1989.96524

AbstractPlus | Full Text: PDF(176 KB) IEEE CNF
Rights and Permissions

23. QuickTime: an extensible standard for digital multimedia
Hoffert, E.; Krueger, M.; Mighdoll, L.; Mills, M.; Cohen, J.; Camplejohn, D.; Lea Van Brink, D.; Blackketter, D.; Arent, M.; Williams, R.; Thorman, C.; Yawitz, M. Callahan, S.;
Compcon Spring '92. Thirty-Seventh IEEE Computer Society International Cor of Papers.
24-28 Feb. 1992 Page(s):15 - 20
Digital Object Identifier 10.1109/CMPCON.1992.186680

AbstractPlus | Full Text: PDF(460 KB) IEEE CNF
Rights and Permissions

24. Performance tuning of message passing programs through visual analys
Sute Lei; Kang Zhang;
Parallel and Distributed Systems, 1994. International Conference on
19-21 Dec. 1994 Page(s):730 - 735
Digital Object Identifier 10.1109/ICPADS.1994.590455

AbstractPlus | Full Text: PDF(660 KB) IEEE CNF
Rights and Permissions

25. A hybrid expert system and neural network approach for environmental a
Lam, D.; Swayne, D.;
Expert Systems for Development, 1994., Proceedings of International Confere
28-31 March 1994 Page(s):298 - 303
Digital Object Identifier 10.1109/ICESD.1994.302263

AbstractPlus | Full Text: PDF(384 KB) IEEE CNF
Rights and Permissions

View: 1-

© Copyright 2006 IEEE –

Indexed by
Inspec®

IEEE Xplore RELEASE 2.1

Home | Login | Logout | Access Information | Alerts |

Welcome United States Patent and Trademark Office

☐ Search Results BROWSE SEARCH IEEE XPLORE GUIDE

Results for "((spreadsheet<in>metadata) <and> (database<in>metadata))" e-mail
Your search matched 75 of 1476571 documents.
A maximum of 75 results are displayed, 25 to a page, sorted by Relevance in Descending order.

» Search Options

View Session History

New Search

Modify Search

((spreadsheet<in>metadata) <and> (database<in>metadata)) Search

☐ Check to search only within this results set

Display Format: ◉ Citation ○ Citation & Abstract

» Key

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

view selected items Select All Deselect All View: 1-

☐ **26. LAN-based office for the enterprise, a case study**
Lamb, J.; Cusato, T.;
Local Computer Networks, 1994. Proceedings., 19th Conference on
2-5 Oct. 1994 Page(s):440 - 447
Digital Object Identifier 10.1109/LCN.1994.386575
AbstractPlus | Full Text: PDF(540 KB) IEEE CNF
Rights and Permissions

☐ **27. Innovative graphical interfaces using object databases for power system control**
Berry, T.; Partridge, R.; Wang, G.S.;
Human Interfaces in Control Rooms, Cockpits and Command Centres, 1999. I Conference on
21-23 June 1999 Page(s):200 - 205
AbstractPlus | Full Text: PDF(2284 KB) IEE CNF

☐ **28. A software toolkit for network and service planning**
Phelan, J.G.; Zuraw, M.R.;
Software Engineering for Telecommunication Systems and Services, 1992., Ei Conference on
1992 Page(s):1 - 7
AbstractPlus | Full Text: PDF(412 KB) IEE CNF

☐ **29. Building-level power network analysis**
Leeb, S.B.; Kirtley, J.L., Jr.; Woodruff, D.S.; LeVan, M.S.;
Computer Applications in Power, IEEE
Volume 5, Issue 1, Jan. 1992 Page(s):30 - 34
Digital Object Identifier 10.1109/67.111469
AbstractPlus | Full Text: PDF(572 KB) IEEE JNL
Rights and Permissions

☐ **30. Identification of seasonal short-term load forecasting models using stati functions**
Hubele, N.F.; Cheng, C.-S.;
Power Systems, IEEE Transactions on
Volume 5, Issue 1, Feb. 1990 Page(s):40 - 45
Digital Object Identifier 10.1109/59.49084

AbstractPlus | Full Text: PDF(520 KB) IEEE JNL
Rights and Permissions

31. **Visualization exploration and encapsulation via a spreadsheet-like interfa**
Jankun-Kelly, T.J.; Kwan-Liu Ma;
Visualization and Computer Graphics, IEEE Transactions on
Volume 7, Issue 3, July-Sept. 2001 Page(s):275 - 287
Digital Object Identifier 10.1109/2945.942695
AbstractPlus | References | Full Text: PDF(1344 KB) IEEE JNL
Rights and Permissions

32. **Polaris: a system for query, analysis, and visualization of multidimensior databases**
Stolte, C.; Tang, D.; Hanrahan, P.;
Visualization and Computer Graphics, IEEE Transactions on
Volume 8, Issue 1, Jan.-March 2002 Page(s):52 - 65
Digital Object Identifier 10.1109/2945.981851
AbstractPlus | References | Full Text: PDF(3273 KB) IEEE JNL
Rights and Permissions

33. **Bugzilla, ITracker, and other bug trackers**
Serrano, N.; Ciordia, I.;
Software, IEEE
Volume 22, Issue 2, Mar-Apr 2005 Page(s):11 - 13
Digital Object Identifier 10.1109/MS.2005.32
AbstractPlus | Full Text: PDF(704 KB) IEEE JNL
Rights and Permissions

34. **Search engines tackle the desktop**
Cole, B.;
Computer
Volume 38, Issue 3, March 2005 Page(s):14 - 17
Digital Object Identifier 10.1109/MC.2005.103
Full Text: PDF(288 KB) IEEE JNL
Rights and Permissions

35. **Computer modelling of a manufacturing process**
Bevan, J.;
Computer-Aided Engineering Journal
Volume 8, Issue 5, Oct. 1991 Page(s):205 - 211
AbstractPlus | Full Text: PDF(400 KB) IEE JNL

36. **Financial models and productivity controls in clinical engineering**
Mahachek, A.R.;
Engineering in Medicine and Biology Society, 1988. Proceedings of the Annua Conference of the IEEE
4-7 Nov 1988 Page(s):1828 - 1829 vol.4
Digital Object Identifier 10.1109/IEMBS.1988.95078
AbstractPlus | Full Text: PDF(165 KB) IEEE CNF
Rights and Permissions

37. **Open and fully distributed architecture for an energy management syste**
Huber, A.;
Power Industry Computer Application Conference, 1993. Conference Proceed
4-7 May 1993 Page(s):228 - 232
Digital Object Identifier 10.1109/PICA.1993.291013
AbstractPlus | Full Text: PDF(356 KB) IEEE CNF
Rights and Permissions

38. **Personal computer based design packages for electrical distribution sys**
Cotten, W.L.; Morishige, N.; Ramsing, K.;
Petroleum and Chemical Industry Conference, 1990. Record of Conference P
Applications Society 37th Annual
10-12 Sept. 1990 Page(s):249 - 253
Digital Object Identifier 10.1109/PCICON.1990.218109
AbstractPlus | Full Text: PDF(420 KB) IEEE CNF
Rights and Permissions

39. **LCA case study for copier using the matrix-based LCA software and JLC**
Lu, W.; Sakai, S.; Izumi, S.;
Asian Green Electronics, 2005. AGEC. Proceedings of 2005 International Con
15-18 March 2005 Page(s):120 - 124
Digital Object Identifier 10.1109/AGEC.2005.1452330
AbstractPlus | Full Text: PDF(281 KB) IEEE CNF
Rights and Permissions

40. **Providing editable cross-tables to end-users**
Dura, K.; Wojciechowski, J.; Napieralski, A.;
Modern Problems of Radio Engineering, Telecommunications and Computer S
Proceedings of the International Conference
24-28 Feb. 2004 Page(s):434 - 437
Digital Object Identifier 10.1109/TCSET.2004.1366017
AbstractPlus | Full Text: PDF(398 KB) IEEE CNF
Rights and Permissions

41. **State of the art techniques for nuclear emergency planning population ar**
Steinman, R.L.;
Nuclear Science Symposium Conference Record, 2002.IEEE
Volume 3, 10-16 Nov. 2002 Page(s):1904 - 1906 vol.3
Digital Object Identifier 10.1109/NSSMIC.2002.1239696
AbstractPlus | Full Text: PDF(417 KB) IEEE CNF
Rights and Permissions

42. **A visual query system for the specification and scientific analysis of con**
Leopold, J.; Ambler, A.; Heimovics, M.; Palmer, T.;
Human-Centric Computing Languages and Environments, 2001. Proceedings on
5-7 Sept. 2001 Page(s):203 - 211
Digital Object Identifier 10.1109/HCC.2001.995260
AbstractPlus | Full Text: PDF(529 KB) IEEE CNF
Rights and Permissions

43. **Computer-aided manufacturing simulation (CAMS) generation for interac concepts, techniques, and issues**
Kulvatunyou, B.; Wysk, R.A.;
Simulation Conference, 2001. Proceedings of the Winter
Volume 2, 9-12 Dec. 2001 Page(s):968 - 976 vol.2
Digital Object Identifier 10.1109/WSC.2001.977401
AbstractPlus | Full Text: PDF(867 KB) IEEE CNF
Rights and Permissions

44. **Optimizing the cost of design rule modifications for subsequent generati semiconductor technology**
Balasinski, A.;
Advanced Semiconductor Manufacturing Conference and Workshop, 2000 IEE
12-14 Sept. 2000 Page(s):256 - 262
Digital Object Identifier 10.1109/ASMC.2000.902597

AbstractPlus | Full Text: PDF(484 KB) IEEE CNF
Rights and Permissions

45. **A real time, object oriented fieldbus management system**
Nielsen, O.C.;
Factory Communication Systems, 2000. Proceedings. 2000 IEEE Internationa
6-8 Sept. 2000 Page(s):335 - 340
Digital Object Identifier 10.1109/WFCS.2000.882566
AbstractPlus | Full Text: PDF(436 KB) IEEE CNF
Rights and Permissions

46. **Polaris: a system for query, analysis and visualization of multi-dimensior databases**
Stolte, C.; Hanrahan, P.;
Information Visualization, 2000. InfoVis 2000. IEEE Symposium on
9-10 Oct. 2000 Page(s):5 - 14
Digital Object Identifier 10.1109/INFVIS.2000.885086
AbstractPlus | Full Text: PDF(1312 KB) IEEE CNF
Rights and Permissions

47. **CipherVOX: scalable low-complexity speaker verification**
Fette, B.A.; Broun, C.C.; Campbell, W.M.; Jaskie, C.;
Acoustics, Speech, and Signal Processing, 2000. ICASSP '00. Proceedings. 2 International Conference on
Volume 6, 5-9 June 2000 Page(s):3634 - 3637 vol.6
Digital Object Identifier 10.1109/ICASSP.2000.860189
AbstractPlus | Full Text: PDF(340 KB) IEEE CNF
Rights and Permissions

48. **Towards an interactive query environment for a multi-attribute decision n imprecise data and vague query conditions**
Lukacs, G.;
Database and Expert Systems Applications, 2000. Proceedings. 11th Internati
4-8 Sept. 2000 Page(s):708 - 712
Digital Object Identifier 10.1109/DEXA.2000.875103
AbstractPlus | Full Text: PDF(392 KB) IEEE CNF
Rights and Permissions

49. **Heterogeneous query processing through SQL table functions**
Reinwald, B.; Pirahesh, H.; Krishnamoorthy, G.; Lapis, G.; Tran, B.; Vora, S.;
Data Engineering, 1999. Proceedings., 15th International Conference on
23-26 March 1999 Page(s):366 - 373
Digital Object Identifier 10.1109/ICDE.1999.754952
AbstractPlus | Full Text: PDF(92 KB) IEEE CNF
Rights and Permissions

50. **The product attributes database (PAD): first of a new class of productivit product development**
Sercel, J.C.; Clymer, T.F.; Heikichs, W.M.;
Aerospace Conference, 1999. Proceedings. 1999 IEEE
Volume 5, 6-13 March 1999 Page(s):285 - 299 vol.5
Digital Object Identifier 10.1109/AERO.1999.790209
AbstractPlus | Full Text: PDF(1100 KB) IEEE CNF
Rights and Permissions

View: 1-

Indexed by Inspec®

© Copyright 2006 IEEE –

IEEE Xplore RELEASE 2.1

Home | Login | Logout | Access Information | Alerts |

Welcome United States Patent and Trademark Office

BROWSE SEARCH IEEE XPLORE GUIDE

Search Results

Results for "((spreadsheet<in>metadata) <and> (database<in>metadata))" e-mail
Your search matched 75 of 1476571 documents.
A maximum of 75 results are displayed, 25 to a page, sorted by Relevance in Descending order.

» Search Options

View Session History

New Search

Modify Search

((spreadsheet<in>metadata) <and> (database<in>metadata)) Search

Check to search only within this results set

Display Format: Citation Citation & Abstract

» Key

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

view selected items Select All Deselect All View: 1-

51. **Development of software tools for automation and acceleration of the en process**
Harrington, B.W.;
Aerospace Conference, 1998. Proceedings., IEEE
Volume 4, 21-28 March 1998 Page(s):265 - 275 vol.4
Digital Object Identifier 10.1109/AERO.1998.682198
AbstractPlus | Full Text: PDF(1416 KB) IEEE CNF
Rights and Permissions

52. **Universal data access with OLE DB**
Blakeley, J.A.;
Compcon '97. Proceedings, IEEE
23-26 Feb. 1997 Page(s):2 - 7
Digital Object Identifier 10.1109/CMPCON.1997.584662
AbstractPlus | Full Text: PDF(604 KB) IEEE CNF
Rights and Permissions

53. **Propagator: a family of patterns**
Feiler, P.H.; Tichy, W.F.;
Technology of Object-Oriented Languages and Systems, 1997. TOOLS 23. Pr
28 July-1 Aug. 1997 Page(s):355 - 366
Digital Object Identifier 10.1109/TOOLS.1997.654744
AbstractPlus | Full Text: PDF(56 KB) IEEE CNF
Rights and Permissions

54. **Volume-based static model for nickel hydrogen cells**
Thaller, L.H.;
Energy Conversion Engineering Conference, 1997. IECEC-97. Proceedings of Intersociety
Volume 1, 27 July-1 Aug. 1997 Page(s):192 - 197 vol.1
Digital Object Identifier 10.1109/IECEC.1997.659182
AbstractPlus | Full Text: PDF(684 KB) IEEE CNF
Rights and Permissions

55. **Oceanographic real time data collection and data base**
Pohner, F.; Berg, S.;
OCEANS '95. MTS/IEEE. 'Challenges of Our Changing Global Environment'. (Proceedings.

Volume 1, 9-12 Oct. 1995 Page(s):138 - 145 vol.1
Digital Object Identifier 10.1109/OCEANS.1995.526762

AbstractPlus | Full Text: PDF(1200 KB) IEEE CNF
Rights and Permissions

☐ **56. Rapid prototyping of manufacturing systems using an integrated tool bo**
Tomsicek, M.;
Rapid System Prototyping, 1990. 'Shortening the Path from Specification to Pr International Workshop on
4-7 June 1990 Page(s):89
Digital Object Identifier 10.1109/IWRSP.1990.144039

AbstractPlus | Full Text: PDF(76 KB) IEEE CNF
Rights and Permissions

☐ **57. Reliability and maintainability Hitlist bad actor tool (HITBAT)**
Bassett, W.;
Aerospace and Electronics Conference, 1990. NAECON 1990., Proceedings c National
21-25 May 1990 Page(s):1225 - 1226 vol.3
Digital Object Identifier 10.1109/NAECON.1990.112945

AbstractPlus | Full Text: PDF(184 KB) IEEE CNF
Rights and Permissions

☐ **58. Automating reliability prediction and derating analysis: An example of si engineering**
Arellano, L.; Doshay, I.;
Reliability and Maintainability Symposium, 1991. Proceedings., Annual
29-31 Jan. 1991 Page(s):384 - 390
Digital Object Identifier 10.1109/ARMS.1991.154466

AbstractPlus | Full Text: PDF(412 KB) IEEE CNF
Rights and Permissions

☐ **59. Systems 3: multisensory access to the graphic based computers by pers blind**
Vanderheiden, G.; Boyd, W.; Ford, K.; Kunz, D.; Mendenhall, J.;
Computing Applications to Assist Persons with Disabilities, 1992., Proceedings Hopkins National Search for
1-5 Feb. 1992 Page(s):197 - 199
Digital Object Identifier 10.1109/CAAPWD.1992.217418

AbstractPlus | Full Text: PDF(188 KB) IEEE CNF
Rights and Permissions

☐ **60. Concepts for modular simulation environments**
Standridge, C.R.; Centeno, M.A.;
Simulation Conference Proceedings, 1994. Winter
11-14 Dec. 1994 Page(s):657 - 663
Digital Object Identifier 10.1109/WSC.1994.717405

AbstractPlus | Full Text: PDF(568 KB) IEEE CNF
Rights and Permissions

☐ **61. Project management software-the fourth tool?**
Tatnall, A.; Shackleton, P.;
Software Education Conference, 1994. Proceedings.
22-25 Nov. 1994 Page(s):320 - 325
Digital Object Identifier 10.1109/SEDC.1994.475354

AbstractPlus | Full Text: PDF(556 KB) IEEE CNF
Rights and Permissions

62. Automated crime and security

Parker, D.B.;
Security and Detection, 1997. ECOS 97., European Conference on
28-30 April 1997 Page(s):108

AbstractPlus | Full Text: PDF(84 KB) IEE CNF

63. **The application of object-oriented real time control techniques to the test machines**
Adams, N.K.;
Electrical Machines and Drives, 1993. Sixth International Conference on (Conf
8-10 Sep 1993 Page(s):485 - 490

AbstractPlus | Full Text: PDF(440 KB) IEE CNF

64. **Remote monitoring of cable TV headends**
Bullinger, R.;
Broadcasting Convention, 1992. IBC., International
3-7 Jul 1992 Page(s):246 - 250

AbstractPlus | Full Text: PDF(180 KB) IEE CNF

65. **PC's: the R&D engineer's magic wand**
Millar, J.H.P.;
PC-Based Instrumentation, IEE Colloquium on
31 Jan 1990 Page(s):6/1 - 6/4

AbstractPlus | Full Text: PDF(188 KB) IEE CNF

66. **A sensible potentiometer [PC-based transducers and control]**
Heiron, J.;
PC-Based Instrumentation, IEE Colloquium on
31 Jan 1990 Page(s):9/1 - 9/2

AbstractPlus | Full Text: PDF(84 KB) IEE CNF

67. **Designing secure networks for process control**
Byres, E.J.;
Industry Applications Magazine, IEEE
Volume 6, Issue 5, Sept.-Oct. 2000 Page(s):33 - 39
Digital Object Identifier 10.1109/2943.863633

AbstractPlus | References | Full Text: PDF(700 KB) IEEE JNL
Rights and Permissions

68. **Forecasting supply and demand with reliable facts and figures**
Nolan, B.M.;
Computer Applications in Power, IEEE
Volume 8, Issue 4, Oct. 1995 Page(s):18 - 19
Digital Object Identifier 10.1109/67.468294

AbstractPlus | Full Text: PDF(140 KB) IEEE JNL
Rights and Permissions

69. **AM-ESEDE: an adaptive model of enterprise spreadsheet engine in distri environment**
Jing-fan Tang;
Multi-Media Modelling Conference Proceedings, 2006 12th International
4-6 Jan. 2006 Page(s):4 pp.
Digital Object Identifier 10.1109/MMMC.2006.1651346

AbstractPlus | Full Text: PDF(648 KB) IEEE CNF
Rights and Permissions

70. **DrawCraft: a spacecraft design tool for integrated concurrent engineerin**
Ardalan, S.M.;
Aerospace Conference Proceedings, 2000 IEEE

Volume 1, 18-25 March 2000 Page(s):501 - 510 vol.1
Digital Object Identifier 10.1109/AERO.2000.879437

AbstractPlus | Full Text: PDF(1520 KB) IEEE CNF
Rights and Permissions

☐ **71. Combining data from existing company data sources: architecture and e**
Vanhanen, J.; Risku, K.; Kilponen, P.;
System Sciences, 2000. Proceedings of the 33rd Annual Hawaii International
Jan 4-7 2000 Page(s):6 pp. vol.1

AbstractPlus | Full Text: PDF(132 KB) IEEE CNF
Rights and Permissions

☐ **72. Managing multiple focal levels in Table Lens**
Tenev, T.; Rao, R.;
Information Visualization, 1997. Proceedings., IEEE Symposium on
20-21 Oct. 1997 Page(s):59 - 63, 122
Digital Object Identifier 10.1109/INFVIS.1997.636787

AbstractPlus | Full Text: PDF(692 KB) IEEE CNF
Rights and Permissions

☐ **73. A hierarchical management framework for battlefield network manageme**
Sethi, A.S.; Kalyanasundaram, P.; Sherwin, C.M.; Dong Zhu;
MILCOM 97 Proceedings
Volume 3, 2-5 Nov. 1997 Page(s):1239 - 1243 vol.3
Digital Object Identifier 10.1109/MILCOM.1997.644966

AbstractPlus | Full Text: PDF(436 KB) IEEE CNF
Rights and Permissions

☐ **74. Visual tools for information retrieval**
Spoerri, A.;
Visual Languages, 1993., Proceedings 1993 IEEE Symposium on
24-27 Aug. 1993 Page(s):160 - 168
Digital Object Identifier 10.1109/VL.1993.269592

AbstractPlus | Full Text: PDF(696 KB) IEEE CNF
Rights and Permissions

☐ **75. Interoperability with unstructured data and services**
Barbara, D.; Breitbart, Y.; Garcia-Molina, H.; Korth, H.F.; Mehrotra, S.;
Research Issues in Data Engineering, 1993: Interoperability in Multidatabase S
Proceedings RIDE-IMS '93., Third International Workshop on
19-20 April 1993 Page(s):123 - 125
Digital Object Identifier 10.1109/RIDE.1993.281935

AbstractPlus | Full Text: PDF(224 KB) IEEE CNF
Rights and Permissions

View: 1-

Indexed by Inspec®

© Copyright 2006 IEEE –

PORTAL USPTO

Subscribe (Full Service) Register (Limited Service, Free) Login

Search: The ACM Digital Library The Guide

+bi-directional +communication +spreadsheet +database SEARCH

THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction survey

Terms used
bi directional communication spreadsheet database

Found **19** of **195,947**

Sort results by relevance

Display results expanded form

Save results to a Binder

Search Tips

Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 1 - 19 of 19

Relevance scale

1 SHyd—a model for bridging text and hypermedia

Zheng Min, Roy Rada

March 1993 **Proceedings of the 1993 ACM conference on Computer science CSC '93**

Publisher: ACM Press

Full text available: pdf(910.30 KB) Additional Information: full citation, abstract, references, citings, index terms

This paper presents a model of the document-hypermedia world which shows the bi-directional exchanges between the two worlds which are facilitated by international standards and a widely accepted hypertext reference model. In particular we show the role of the Dexter Model and the SGML/HyTime standards in supporting document-hypermedia transformations and hypermedia interchange. A first prototype — the SGML-MUCH (SM) system — has been developed which follows the principl ...

2 Object-based visual programming languages

Sergiu S. Simmel

September 1991 **ACM SIGPLAN OOPS Messenger , Addendum to the proceedings on Object-oriented programming systems, languages, and applications (Addendum) OOPSLA '91**, Volume 3 Issue 4

Publisher: ACM Press

Full text available: pdf(1.02 MB) Additional Information: full citation, index terms

3 Selection criteria for expert system shells: a socio-technical framework

Anthony C. Stylianou, Gregory R. Madey, Robert D. Smith

October 1992 **Communications of the ACM**, Volume 35 Issue 10

Publisher: ACM Press

Full text available: pdf(20.76 MB) Additional Information: full citation, references, citings, index terms, review

Keywords: expert system development tools, expert system shells, software evaluation criteria, software selection

4 Snap-together visualization: a user interface for coordinating visualizations via relational schemata

Chris North, Ben Shneiderman

May 2000 **Proceedings of the working conference on Advanced visual interfaces AVI '00**

Publisher: ACM Press

Full text available: pdf(2.11 MB) Additional Information: full citation, abstract, references, citings

Multiple coordinated visualizations enable users to rapidly explore complex information. However, users often need unforeseen combinations of coordinated visualizations that are appropriate for their data. Snap-Together Visualization enables data users to rapidly and dynamically mix and match visualizations and coordinations to construct custom exploration interfaces without programming. Snap's conceptual model is based on the relational database model. Users load relations into visualizati ...

Keywords: coordination, information visualization, multiple views, relational database, tight coupling, user interface, user study

5 Data access for the masses through OLE DB

José A. Blakeley

June 1996 **ACM SIGMOD Record , Proceedings of the 1996 ACM SIGMOD international conference on Management of data SIGMOD '96**, Volume 25 Issue 2

Publisher: ACM Press

Full text available: pdf(1.24 MB) Additional Information: full citation, abstract, references, citings, index terms

This paper presents an overview of OLE DB, a set of interfaces being developed at Microsoft whose goal is to enable applications to have uniform access to data stored in DBMS and non-DBMS information containers. Applications will be able to take advantage of the benefits of database technology without having to transfer data from its place of origin to a DBMS. Our approach consists of defining an open, extensible Collection of interfaces that factor and encapsulate orthogonal, reusable portions ...

6 System technology: Software framework for managing heterogeneity in mobile collaborative systems

Carlos D. Correa, Ivan Marsic

November 2003 **Proceedings of the 2003 international ACM SIGGROUP conference on Supporting group work GROUP '03**

Publisher: ACM Press

Full text available: pdf(658.54 KB) Additional Information: full citation, abstract, references, citings, index terms, review

Heterogeneity aspects in mobile collaborative systems, such as differences in user's interest, semantic conflicts across different domains and representations, and disparate device capabilities, cause difficulties in developing software applications. One of the key problems for collaborative applications is maintaining a consistent shared state.In this paper, we describe a framework that manages several aspects of heterogeneity to maintain consistency across the collaborating sites. We assume gr ...

Keywords: consistency maintenance, content adaptation, mobile computing, scene simplification, virtual worlds

7 Software/modelware tutorials: Healthcare simulation modeling and optimization using MedModel

Charles R. Harrell, Victor Lange

December 2001 **Proceedings of the 33nd conference on Winter simulation WSC '01**
Publisher: IEEE Computer Society
Full text available: pdf(356.06 KB) Additional Information: full citation, abstract, index terms

MedModel is a simulation tool that allows healthcare engineers, managers and clinicians to quickly examine very complex operational and planning issues. Unlike static tools, such as spreadsheets, MedModel makes it easy to replicate the complex interactions within and between departments. These interactions quickly create problems that are simply too complex for traditional tools to answer properly. MedModel has a wealth of specific functions to accurately duplicate actual health system behavior. ...

8 Applications: FireWxNet: a multi-tiered portable wireless system for monitoring weather conditions in wildland fire environments

Carl Hartung, Richard Han, Carl Seielstad, Saxon Holbrook
June 2006 **Proceedings of the 4th international conference on Mobile systems, applications and services MobiSys 2006**
Publisher: ACM Press
Full text available: pdf(3.55 MB) Additional Information: full citation, abstract, references, index terms

In this paper we present FireWxNet, a multi-tiered portable wireless system for monitoring weather conditions in rugged wildland fire environments. FireWxNet provides the fire fighting community the ability to safely and easily measure and view fire and weather conditions over a wide range of locations and elevations within forest fires. This previously unattainable information allows fire behavior analysts to better predict fire behavior, heightening safety considerations. Our system uses a tie ...

Keywords: applications, deployments, fire, forest fires, wireless sensor networks

9 An introduction to data warehousing: what are the implications for the network?

Katherine Jones
February 1998 **International Journal of Network Management**, Volume 8 Issue 1
Publisher: John Wiley & Sons, Inc.
Full text available: pdf(145.35 KB) Additional Information: full citation, abstract, references, index terms

Data warehousing is an information systems environment, rather than a product. It has emerged as an essential business entity for sophisticated analysis of data. This article presents a clear overview of the implications of data warehousing for business. © 1998 John Wiley & Sons, Ltd.

10 Referential integrity of links in open hypermedia systems

Hugh C. Davis
May 1998 **Proceedings of the ninth ACM conference on Hypertext and hypermedia : links, objects, time and space---structure in hypermedia systems: links, objects, time and space---structure in hypermedia systems HYPERTEXT '98**
Publisher: ACM Press
Full text available: pdf(1.30 MB) Additional Information: full citation, references, citings, index terms

11 Work in progress session: tools: Performance analysis using CPN tools

Lisa Wells
October 2006 **Proceedings of the 1st international conference on Performance evaluation methodolgies and tools valuetools '06**
Publisher: ACM Press

Full text available: pdf(240.84 KB) Additional Information: full citation, abstract, references, index terms

This paper provides an overview of new facilities for performance analysis using Coloured Petri Nets and the tool CPN Tools. Coloured Petri Nets is a formal modeling language that is well suited for modeling and analyzing large and complex systems. The new facilities include support for collecting data during simulations, for generating different kinds of performance-related output, and for running multiple simulation replications. A simple example of a network protocol is used to illustrate the ...

Keywords: coloured petri nets

12 MI—an object oriented environment for integration of scientific applications

Andrea Spinelli, Paolo Salvaneschi, Mauro Cadei, Marino Rocca
October 1994 **ACM SIGPLAN Notices , Proceedings of the ninth annual conference on Object-oriented programming systems, language, and applications OOPSLA '94**, Volume 29 Issue 10
Publisher: ACM Press
Full text available: pdf(1.16 MB) Additional Information: full citation, abstract, references, index terms

Scientific and engineering software is often produced by integration of existing software components of the size of a whole program. However, on the average, scientific software was not developed for reusability and is quite distant from the user model of the application problem; integration and retrofitting is as such a costly process. An architecture, methodology and several C++ class libraries for supporting integration are introduced. The architecture separates a software component lay ...

Keywords: C++, class libraries, software integration

13 Test ase generation: Testing software modelling tools using data mutation

Lijun Shan, Hong Zhu
May 2006 **Proceedings of the 2006 international workshop on Automation of software test AST '06**
Publisher: ACM Press
Full text available: pdf(126.47 KB) Additional Information: full citation, abstract, references, index terms

Modelling tools play a crucial role in model-driven software development methods. A particular difficulty in testing such software systems is the generation of adequate test cases because the test data are structurally complicated. This paper proposes an approach called data mutation to generating a large number of test data from a few seed test cases. It is inspired in mutation testing methods, but differs from them in the way that mutation operators are defined and used. In our approach, mutat ...

14 Healthcare simulation modeling and optimization using MedModel

Rochelle N. Price, Charles R. Harrell
December 1999 **Proceedings of the 31st conference on Winter simulation: Simulation--a bridge to the future - Volume 1 WSC '99**
Publisher: ACM Press
Full text available: pdf(132.83 KB) Additional Information: full citation, index terms

15 BATCES solution #2: a simplified SA/OOD approach

Michael Hirasuna
May 1994 **ACM SIGAda Ada Letters**, Volume XIV Issue 3
Publisher: ACM Press

Full text available: pdf(1.34 MB) Additional Information: full citation, abstract, index terms

An approach to derive an Object-Oriented Design (OOD) from a simplified Structure Analysis (SA) is presented. The approach is demonstrated with the BATCES problem statement defined by the Object Oriented Work Group (OOWG) [CRA92]. Unlike other methodologies, the simplified SA/OOD is targeted specifically for Ada. Assuming that Ada is self-documenting, the approach defines the diagrams and tables that complement the code, and not just repeat the information already there. As demanded by typical A ...

16 ProModel PC tutorial (tutorial session)

Charles R. Harrell, Ken Tumay
December 1990 **Proceedings of the 22nd conference on Winter simulation WSC' 90**
Publisher: IEEE Press
Full text available: pdf(336.85 KB) Additional Information: full citation, references, citings, index terms

17 Plant design for efficiency using AutoCAD and FactoryFLOW

David P. Sly
December 1995 **Proceedings of the 27th conference on Winter simulation WSC '95**
Publisher: ACM Press, IEEE Computer Society
Full text available: pdf(643.95 KB) Additional Information: full citation, abstract, references, index terms

Designing industrial facilities in AutoCAD is very different from designing the office and laboratory environments typically discussed at AEC-oriented shows and seminars. In factories the cost of moving equipment and automated material handling systems is significant, making their initial placement critical. In addition, factories are designed for the optimal flow of materials, which requires a significant quantitative review and can be very time consuming and difficult to present. This paper di ...

18 Introduction to ProcessModel and ProcessModel 9000

Bruce D. Gladwin, Charles R. Harrell
December 1997 **Proceedings of the 29th conference on Winter simulation WSC '97**
Publisher: ACM Press, IEEE Computer Society
Full text available: pdf(677.96 KB) Additional Information: full citation, references, index terms

19 Introduction to ProcessModel and ProcessModel 9000

John F. Vick, Charles R. Harrell
December 1998 **Proceedings of the 30th conference on Winter simulation WSC '98**
Publisher: IEEE Computer Society Press
Full text available: pdf(104.51 KB) Additional Information: full citation, references, index terms

Results 1 - 19 of 19

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player

Sign in

Google

Web Images Video News Maps more »

modified published bi-directional communicatic Search Advanced Search Preferences

Web Results **1 - 64** of about **84** for **modified published bi-directional communication "spreadsheet and dat**

[PDF] Chemical Product and Process Modeling
File Format: PDF/Adobe Acrobat
The **bidirectional** information propagation as invented by Morris in 1979 (Morris, ... word processing, **spreadsheet and database** programs is quite ...
www.bepress.com/cgi/viewcontent.cgi?article=1020&context=cppm - Similar pages

Upward and downward compatible data processing system - Patent ...
That is, data can be **modified** in database and the modification reflected in the ... multi-dimensional decision support system allows **bidirectional** linkages, ...
www.freepatentsonline.com/20030149699.html - 120k - Cached - Similar pages

[PDF] Volume 26, Number 2, Summer 1997 ISSN 0710-4340 AnAMTECPublication
File Format: PDF/Adobe Acrobat - View as HTML
spreadsheet and database use, email and web searching). Student teachers were to ... In the first stage, the **bidirectional communication**, between pairs of ...
www.amtec.ca/cjlt/vol26no2.pdf - Similar pages

FlyBase Reference Manual B.
FlyBase has included the data as **published** in these earlier catalogs. ... will also have FlyBase IDs and this cross-reference will be made **bidirectional**. ...
chervil.bio.indiana.edu:7092/docs/lk/refman/refman-B.html - 227k - Cached - Similar pages

EP1277143 Accenture european software patent - Method for ...
The distribution network is deployable to large numbers of residential and commercial customers for **bi-directional** real-time **communication**. ...
gauss.ffii.org/PatentView/EP1277143 - 125k - Cached - Similar pages

Frequently asked questions from comp.ai.neural-nets
Contributions include research papers, reviews, and Letters to the Editor - **communications** under 3000 words in length, which are **published** within six months ...
www.cs.tufts.edu/comp/250NN/neuralfaq.html - 169k - Cached - Similar pages

[PDF] Accelerated Pavement Testing: Data Guidelines REPORT 512
File Format: PDF/Adobe Acrobat - View as HTML
either a unidirectional or **bidirectional** mode, while in others ... be read by most word processing, **spreadsheet, and database**. software programs. ...
gulliver.trb.org/publications/nchrp/nchrp_rpt_512.pdf - Similar pages

[PDF] TECHNICAL DESCRIPTION
File Format: PDF/Adobe Acrobat
industry-standard **spreadsheet and database** packages. ... **bi-directional**, which means that data generated by third party applications, such as for example AI ...
bnftech.com/new/data/Adroit_6_Technical_Description.pdf - Similar pages

[PDF] Reference Manual
File Format: PDF/Adobe Acrobat
Note2: Explicit Agent Server connections are not **bi-directional**, ... file, a format recognized by many commercial **spreadsheet and database** packages. ...
bnftech.com/new/data/Adroit6.0Manual.pdf - Similar pages

[DOC] TERM
File Format: Microsoft Word - View as HTML
Its decision to accept or deny the **communication** is then recorded in an ... aid of software packages (e.g. **spreadsheet and database**) and enquiry software. ...
www.aiim.org/documents/standards/edms-ermsglossaryv1-31.doc - Similar pages

[PDF] Integrated Glossary of Electronic Document Management System ...
File Format: PDF/Adobe Acrobat - View as HTML
Bi-directional. hyperlink ... mediated **communication**. This includes electronic mail ... A list of guides in the "**Published** Document" series from ...
www.aiim.org/documents/standards/edms-ermsglossaryv3.pdf - Similar pages

sultanhesari
KnowledgeMaps can be **published** as web pages if the user creates a login name ... Import text, **spreadsheet, and database** files for conversion into diagrams. ...
www.sultanhesari.com/researchsoftware.htm - 461k - Cached - Similar pages

Dan's 20th Century Abandonware - Screen Shot Gallery - DOS
At a time when full-featured word processor, **spreadsheet, and database** software cost ... unidirectional and **bidirectional** printing, select video page, ...
www.dans20thcenturyabandonware.com/d2ca-ssg-dos.html - 475k - Cached - Similar pages

Interrupt for a protected mode microprocessor which facilitates ...
Method and apparatus facilitating **communication** between two keyboards and a ... memory 12 storing the operating system, **spreadsheet and database** manager. ...
www.patentstorm.us/patents/5652890-description.html - 187k - Cached - Similar pages

[DOC] Working Document, ver. 1.0
File Format: Microsoft Word - View as HTML
Examples of existing **bi-directional** crosswalks include: ... common image formats, and as word processing, **spreadsheet, and database** documents. ...
kudiglib.ku.edu/~diglib/docs/reports/KU%20Digital%20Library%20Technical%20Infrastructure%20TF%20Report.doc - Similar pages

[PDF] Page 1 Digital Library Technical Infrastructure Task Force ...
File Format: PDF/Adobe Acrobat - View as HTML
is consistent with KU Libraries' scholarly **communications** and collection ... **spreadsheet, and database** documents. Each of these formats continues to evolve, ...
kudiglib.ku.edu/~diglib/projects/wgs/TechnicalInfrastructureReport.pdf - Similar pages

[PDF] IBM System i Tools Innovation Program
File Format: PDF/Adobe Acrobat - View as HTML
Integrator allows **bi-directional** XML — and other data formats — to be exchanged ... Reports can also be converted to **spreadsheet and database** formats. ...
www.redbooks.ibm.com/redpapers/pdfs/redp4134.pdf - Similar pages

[PDF] IBM Tools: CICS Performance Analyzer V1.2
File Format: PDF/Adobe Acrobat
Export (Detail or Summary) for Import into PC **Spreadsheet and Database** Tools ... Within the connection, a thread establishes a **bidirectional** path between a ...
www.redbooks.ibm.com/redbooks/pdfs/sg246882.pdf - Similar pages

[PDF] Building a Free (Libre)/Open Source Software for e-Government ...
File Format: PDF/Adobe Acrobat - View as HTML
No software obsolescence as FLOSS can be **modified** to take account of new ... 1 The double-ended arrows indicate that influence may be **bi-directional**: from ...

www.prelude-portal.org/3roses/modules.php?name=Downloads&d_op=getit&lid=6 - Similar pages

[DOC] Appendix 3: Course Outlines, 2EET & 2MET Common Courses
File Format: Microsoft Word - View as HTML
Team-based assignments, which necessitate effective **communication** and good ... and software functionality which is known as **bi-directional** associativity. ...
www.cede.psu.edu/tc2k/selfstudy_july2005/YK_appendices.doc - Similar pages

[PDF] Standard Draft
File Format: PDF/Adobe Acrobat - View as HTML
(**modified** Cisco definition). Switch. 1.) n., a circuit switching hub. 2.) vt., A **communications** paradigm in which a dedicated **communication** path is ...
www.vita.virginia.gov/ITIB/docs/2006/060719/060719ETAStandard225-00.pdf - Similar pages

> [PDF] Platform Architecture
> File Format: PDF/Adobe Acrobat - View as HTML
> (**modified**. Cisco definition). Synchronous –this term has two distinct meanings in. networking: 1.) a network **communication**, which ...
> www.vita.virginia.gov/cots/ea/docs/PlatformArchitectureDomainReport-n3.pdf - Similar pages
> [More results from www.vita.virginia.gov]

[DOC] Bid-Contract Service & Supply
File Format: Microsoft Word - View as HTML
The system supports **bi-directional** exchange of data with the California CSI ... into **spreadsheet and database** applications (e.g. Microsoft Excel and Access) ...
www.co.fresno.ca.us/0440/Dwnpgitms/208-4346%20integrated%20mental%20health%20information%20system.doc - Similar pages

[PDF] TABLE OF CONTENTS
File Format: PDF/Adobe Acrobat
A **bi-directional** audio/video digital computer-based dial-up connection will be made available. for electronic **communications** and collaborations with on-site ...
csd1.sesc.k12.ar.us/techno/Crossett%20Tech%20Plan%202003.pdf - Similar pages

[DOC] CEN/TC 251 /SSS-HIDE
File Format: Microsoft Word
Spreadsheet and database programs can import such files easily: ... The specification supports **bi-directional communication** of the following data elements ...
www.centc251.org/tcmeet/doclist/TCdoc01/N01-033rev2.doc - Similar pages

> [PDF] Health Informatics
> File Format: PDF/Adobe Acrobat
> various functional areas, **modified** control structures to be adaptable to a ... The specification supports **bi-directional communication** of the following data ...
> www.centc251.org/TCMeet/Doclist/TCdoc01/N01-033rev2.pdf - Similar pages

[PDF] TITLE: Clinical Nurse Specialist About Us
File Format: PDF/Adobe Acrobat
including knowledge of **spreadsheet and database** programs and 10-key;. ability to multi-task; excellent interpersonal, **communication**, and ...
www.fhcrc.org/about/jobs/JOBPOSTINGS.pdf - Similar pages

Apparatus for maintaining one interrupt mask register in ...

The **modified** microcode for the embodiment of FIG. 7 is shown in FIG. 8. ... which controls an address bus 337, a control bus 338 and a **bidirectional** data ...

www.wikipatents.com/5551033.html - 508k - Cached - Similar pages

[PDF] BILL JONES
File Format: PDF/Adobe Acrobat - View as HTML
line printer with DG interface, or Centronics Model 701 **bi-directional** line ... The vote count program is the Microsoft Excel **Spreadsheet and Database** progm ...
josephhall.org/arnold_ca_vs_hist.pdf - Similar pages

[PDF] Upgrade, Vol. VI, issue no. 1, February 2005
File Format: PDF/Adobe Acrobat
UPGRADE monographs are also **published** in Spanish (full version printed; summary, ... partners; the **bidirectional** connection between a process and ...
www.upgrade-cepis.org/issues/2005/1/upgrade-vol-VI-1.pdf - Similar pages

SEC Info - Bos Better Online Solutions Ltd - 20-F - For 12/31/03
(C) **COMMUNICATION** SOLUTIONS BOS has developed a series of intelligent and highly ... data into personal computer **spreadsheet and database** applications. ...
www.secinfo.com/d13V9e.1Xs.htm - 595k - Cached - Similar pages

> SEC Info - Bos Better Online Solutions Ltd - 20-F - For 12/31/02
> Surf **Communication** Solutions Ltd. in which the Company has invested, ... the meeting and shall be **published** in other ways insofar as required by the law. ...
> www.secinfo.com/dScj2.21uz.htm - Similar pages

[PDF] Visual UpTime Client User Guide v7.2
File Format: PDF/Adobe Acrobat
spreadsheet and database applications, such as Excel or Access. ... The **bi-directional** flow of real-time protocol (RTP) data between two ...
vupdemo7.visualnetworks.com/Manuals/ClientUserGuide.pdf - Similar pages

[PDF] Java Thin-Client Programming for a Network Computing Environment
File Format: PDF/Adobe Acrobat
desktop publishing, **spreadsheet, and database** packages provide a ... page 139) set up a **bidirectional** client/server **communication** with a ...
www.pdc.kth.se/doc/SP/redbooks/pdfbks/sg245115.pdf.gz - Similar pages

Telecomms Terms
A-D conversion is a process in which an analog signal is **modified** into a ... The **communication** over an ATM Layer connection may be either **bi-directional** or ...
www.pickaxe.demon.co.uk/surftime/glossary2.htm - 788k - Cached - Similar pages

[PDF] INSTITUT FUR WIRTSCHAFTSTHEORIE UND OPERATIONS RESEARCH ...
File Format: PDF/Adobe Acrobat
LDW combines features from **spreadsheet and database** pro- ... **modified** or extended by overloading existing methods for. experimental use. ...
www.wior.uni-karlsruhe.de/bibliothek/report_654 - Similar pages

[PDF] MultiTerm
File Format: PDF/Adobe Acrobat
Examples of **spreadsheet and database** exchange format include ... including **bi-directional** and double-byte character set (DBCS) languages such as Japanese, ...
www.sml.hw.ac.uk/lanjh1/Workbench/User%20Guides/MTUser_en.pdf - Similar pages

[PDF] Volume 4
File Format: PDF/Adobe Acrobat
spreadsheet, and database packages that run on most. popular personal computers. ... participants in a **bidirectional** manner. Thus, the facial ...
www2.umassd.edu/swarchresearch/tafim/v4.pdf - Similar pages

[PDF] Travel Time Data Collection Handbook
File Format: PDF/Adobe Acrobat
Spreadsheet and database programs can be used to provide average speeds ... one antenna to 8 or 9 **bi-directional** lanes of traffic. ...
www.fhwa.dot.gov/ohim/tvtw/natmec/00020.pdf - Similar pages

[PDF] Asterisk
File Format: PDF/Adobe Acrobat
bidirectional communications for the channel are working: ... can open CSV files with a text editor, but most **spreadsheet and database** programs will also ...
www.asterisk-france.net/data/Download/AsteriskTFOT.pdf - Similar pages

we propose a panel session of five speakers
This session will reflect on the recently **published** Blackwell Companion to Digital ... Though it has been built using commercial **spreadsheet and database** ...
mustard.tapor.uvic.ca/cocoon/ach_abstracts/xq/corpus_text_body.xq - 970k - Cached - Similar pages

developing the humanities hypermedia centre acadia university
The major **communication** challenge in such a collaboration is defining the functional ... Though it has been built using commercial **spreadsheet and database** ...
mustard.tapor.uvic.ca/cocoon/ach_abstracts/xq/corpus_text.xq - Similar pages

Death of a cult. (Apple Computer needs to alter its strategy ...
The software allows for speedy, unattended **bidirectional** file transfers ... Users can also update the compound document as original data is **modified**. ...
cs.uni.edu/~okane/source/ISR/computing_text.dat - Similar pages

[PDF] Page 1 Barton ® Scanner ® 1131 Measurement RTU Hardware Manual ...
File Format: PDF/Adobe Acrobat
of God, or **modified** or repaired, other than by the Company. ... The 1131 CDO1 expansion board provides a single **communication** port (configurable as either ...
www.nuflotech.com/datasheets/30165013.B.pdf - Similar pages

[PDF] C:\2Cindy- Other\BenMap Nov03\Manual\Final production\BenMAP ...
File Format: PDF/Adobe Acrobat
spreadsheet and database applications, such as Microsoft Excel. ... between the results from this model and the **bidirectional** and time series analyses ...
www.epa.gov/ttnecas1/models/modeldoc.pdf - Similar pages

CONTENTS OF DISK 1 ========== amigademo Graphical ...
This is a **modified** AmigaTerm that can emulate a dumb terminal (interesting ... selections of relations in either direction between **spreadsheet and database**. ...
obligement.free.fr/documents/fish.txt - Similar pages

[PDF] Santa Rosa Junior College 2001-2002 College Catalog Supplement ...
File Format: PDF/Adobe Acrobat
Since course offerings are **modified** continuously, the. College may cancel any course having ... processing; beginning **spreadsheet and database** use; ...
www.santarosa.edu/schedules/college_catalog/pdf/2001-2002supplement.pdf - Similar pages

[PDF] 99-00 supplement.pmd
File Format: PDF/Adobe Acrobat
Bidirectional associativity between model and. drawing speeds editing. (CSU) ... beginning **spreadsheet and database** use;. software integration techniques. ...
www.santarosa.edu/schedules/college_catalog/pdf/1999-2000supplement.pdf -

Similar pages
[More results from www.santarosa.edu]

Fish disks 1 - 1120
This is a **modified** AmigaTerm that can emulate a dumb terminal (interesting ... and includes **bi-directional** scrolling, search, go to a given percentage, ...
www.amiga-stuff.com/pd/fish.html - Similar pages

[DOC] 1
File Format: Microsoft Word
Rudimentary power line carrier-current **communication** (PLCC) systems have been ... of the report data in popular commercial **spreadsheet and database** formats. ...
www.toryod.com/word/Final%20Full%20Engineering%20Management%201994%20Patent.doc - Similar pages

[PDF] of Classes
File Format: PDF/Adobe Acrobat
self-awareness, **communication**, parenting, relationships,. resource management, and health and wellness. ... processing, **spreadsheet, and database** software. ...
web.grcc.cc.mi.us/Pr/docs/2006/2006-2007YearlongSchedule.pdf - Similar pages

web site
The Educational Technology office area of the Advanced **Communication** and ... of the Sensitivity of Cloudy-Scene **Bidirectional** Reflectivity Distribution ...
www.dlib.vt.edu/projects/OAI/marcxml/etds.oams - Similar pages

[PDF] OrCAD Capture User's Guide
File Format: PDF/Adobe Acrobat
this publication may not be copied, reproduced, **modified**, **published**, uploaded, posted, ... **Bidirectional** A **bidirectional** pin is either an input or ...
www.ate.uniovi.es/8672/docs/orcad/cap_ug.pdf - Similar pages

[PDF] Schoolcraft College 2000-2001 Catalog
File Format: PDF/Adobe Acrobat
ment, including **communication** and interaction with the faculty. member and other students. ... ROM) and **bidirectional** line drivers. The laboratory ...
www.schoolcraft.edu/pdfs/publications/catalog/2000-01.pdf - Similar pages

Active-Hardware News
Microprocessor Report has "compared all the new instructions, **modified** ... TAT-14 is a dual, **bidirectional** ring of cable, so a single serious fault should ...
active-hardware.com/news/news.htm - Similar pages

[PDF] Deliverable 1.2
File Format: PDF/Adobe Acrobat
modified over time, as the business grows and changes. ... **published** and implemented to facilitate **communication** between both applications and businesses. ...
www.pouliadis.gr/attract/Deliverables/pdf/Deliverable1.2_Ver2_30.04.01.pdf - Similar pages

[PDF] Learning at the Screenface: A pentadic analysis of email ...
File Format: PDF/Adobe Acrobat
Computer-Mediated **Communication**, 4:4,. http://www.ascusc.org/jcmc/vol4/issue4/turoff.html. Valsiner, J. (1994) **Bi-directional** cultural transmission and ...
www4.gu.edu.au:8080/adt-root/uploads/approved/adt-QGU20050316.170253/public/02Whole.pdf - Similar pages

Market Wire Insights - FindTech Insights
Last week, Siemens Enterprise **Communications** introduced new IP phones designed to ...

spreadsheet and database functions into its Office suite of software. ...
www.findtechinsights.com/source,Market%20Wire/
catalog,FINDTECHINSIGHTS/insightListings.htm - 498k - Cached - Similar pages

The Man Also Known as "I'm Batman" Insights - FindTech Insights
Cox **Communications** passed a milestone late last month as it began offering ... PowerPoint and project management, **spreadsheet and database** applications. ...
www.findtechinsights.com/.../catalog,FINDTECHINSIGHTS/insightListings.htm - 653k - Cached - Similar pages
[More results from www.findtechinsights.com]

[DOC] SI2001E1
File Format: Microsoft Word
Two-way telephone or radio **communication** between the site of t ... form of continuous strand mats, **bidirectional** or multidirectional fabrics of any weight. ...
www.njintouch.state.nj.us/.../business/procurement/ProfServ/documents/TP-629Rt.35SpecialProvisions.doc - Similar pages

[PDF] SPECIAL PROVISIONS ROUTE 139 CONTRACT NO. 001970190 (CONTRACT 2 ...
File Format: PDF/Adobe Acrobat
Electrical and **communication** installations constructed either before or as part ... suppression circuits shall be bipolar and **bi-directional** and treat both ...
www.state.nj.us/.../business/procurement/ProfServ/CurrentProposals/Route_139_special_provisions.pdf - Similar pages

[PDF] Environmental Monitoring Systems
File Format: PDF/Adobe Acrobat
Established **communication** between your 6-series sonde and the YSI 650. ... format is commonly used by **spreadsheet and database** programs. ...
4dgeo.whoi.edu/panama-doc/Instruments/Manuals/YSI6600man.pdf - Similar pages

[PDF] Neural Network FAQ, part 1 of 7: Introduction
File Format: PDF/Adobe Acrobat
reviews, and Letters to the Editor - **communications** under 3000. words in length, which are **published** within six months of receipt. ...
campar.in.tum.de/twiki/pub/Far/MachineLearningSoSe2003/NeuralNetworkFAQ.pdf - Similar pages

[DOC] Catálogo de CD-Roms
File Format: Microsoft Word
Deep Paint 3D comes complete with a **bi-directional** interface to Photoshop® and ... or import and manipulate text in **spreadsheet and database** applications. ...
freehost19.websamba.com/supercdcampinas/1supercd/APLICATIVOS%20Completos.doc - Similar pages

In order to show you the most relevant results, we have omitted some entries very similar to the 64 already displayed.
If you like, you can repeat the search with the omitted results included.

modified published bi-directional con Search

Search within results | Language Tools | Search Tips | Dissatisfied? Help us improve

Google Home - Advertising Programs - Business Solutions - About Google

©2007 Google

Sign in

Google

Web Images Video News Maps more »

modified published bi-directional communicatic Search Advanced Search Preferences

Web Results 1 - 1 of 1 for **modified published bi-directional communication "spreadsheet and data sourc**

Tip: Try removing quotes from your search to get more results.

Offline multi-table data editing and storage - Patent 20060095447
Bi-Directional Communication Between **Spreadsheet and Data Source** ... As will be described in detail below, data may be **published** from the spreadsheet ...
www.freepatentsonline.com/20060095447.html - 120k - Cached - Similar pages

modified published bi-directional con Search

Search within results | Language Tools | Search Tips | Dissatisfied? Help us improve

Google Home - Advertising Programs - Business Solutions - About Google

©2007 Google

Sign in

Google

Web Images Video News Maps more »

modified publishing communication spreadshe Search Advanced Search Preferences

Web Results 1 - 1 of 1 for **modified publishing communication spreadsheet-and-data-source "bi direction**

Tip: Try removing quotes from your search to get more results.

Offline multi-table data editing and storage - Patent 20060095447
The method of claim 6, wherein **publishing** the changed stored data to the remote data ...
Bi-Directional Communication Between **Spreadsheet and Data Source** ...
www.freepatentsonline.com/20060095447.html - 120k - Cached - Similar pages

modified publishing communication Search

Search within results | Language Tools | Search Tips | Dissatisfied? Help us improve

Google Home - Advertising Programs - Business Solutions - About Google

©2007 Google